

Arkema
Surface Water Run-Off Sampling Results - SVOCs
9/1/17

| Sample Number: | HH01-01-01-170901-21 | HH01-01-02-170901-21 | HH01-01-03-170901-21 | HH01-01-03-170901-22 | HH01-01-04-170901-21 | HH01-01-05-170901-21 | | | | | | | | | |
|------------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|--------|------|--------|------|--------|------|--------|------|
| Sampling Location: | B-01 | B-02 | B-03 | B-03 | B-04 | B-05 | | | | | | | | | |
| Matrix: | Water | Water | Water | Water | Water | Water | | | | | | | | | |
| Units: | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | | | | |
| Date Sampled: | 9/1/2017 | 9/1/2017 | 9/1/2017 | 9/1/2017 | 9/1/2017 | 9/1/2017 | | | | | | | | | |
| Date Analyzed: | 9/2/2017 | 9/2/2017 | 9/2/2017 | 9/2/2017 | 9/2/2017 | 9/2/2017 | | | | | | | | | |
| Parameter | 2017 EPA Tap Water RML | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| 2,2'-Oxybis(1-chloropropane) | 2100 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,4,5-Trichlorophenol | 3500 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,4,6-Trichlorophenol | 36 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,4-Dichlorophenol | 140 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,4-Dimethylphenol | 1100 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,4-Dinitrophenol | 120 | 100 | UJ | 100 | UJ | 100 | R | 100 | UJ | 100 | UJ | 100 | UJ | 100 | UJ |
| 2,4-Dinitrotoluene | 24 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2,6-Dinitrotoluene | 4.9 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Chloronaphthalene | 2200 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Chlorophenol | 270 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Methylnaphthalene | 110 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Methylphenol | 2800 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Nitroaniline | 570 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 2-Nitrophenol | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 3-Nitroaniline | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4,6-Dinitro-2-methylphenol | 4.5 | 50 | UJ | 50 | UJ | 50 | R | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| 4-Bromophenyl-phenylether | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4-Chloro-3-methylphenol | 4300 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4-Chloroaniline | 37 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4-Chlorophenyl-phenylether | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| 4-Nitroaniline | 230 | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| 4-Nitrophenol | - | | | 50 | UJ | 50 | UJ | 50 | R | 50 | UJ | 50 | UJ | 50 | UJ |
| Acenaphthene | 1600 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Acenaphthylene | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Anthracene | 5300 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Benzo(a)anthracene | 3 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Benzo(a)pyrene | 2.5 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Benzo(b)fluoranthene | 25 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Benzo(g,h,i)perylene | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Benzo(k)fluoranthene | 250 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Bis(2-chloroethoxy)methane | 180 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Bis(2-chloroethyl)ether | 1.4 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Bis(2-ethylhexyl)phthalate | 560 | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Butyl benzylphthalate | 1600 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Carbazole | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Chrysene | 2500 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Dibenzo(a,h)anthracene | 2.5 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Dibenzofuran | 24 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Diethylphthalate | 45000 | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Dimethylphthalate | - | | | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Di-n-butylphthalate | 2700 | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Di-n-octylphthalate | 600 | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Fluoranthene | 2400 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Fluorene | 880 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Hexachlorobenzene | 0.98 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Hexachlorobutadiene | 14 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Hexachlorocyclopentadiene | 1.2 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Hexachloroethane | 19 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Inden(1,2,3-cd)pyrene | 25 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Isophorone | 7800 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Naphthalene | 17 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Nitrobenzene | 14 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| N-Nitroso-di-n-propylamine | 1.1 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Pentachlorophenol | 4.1 | 50 | UJ | 50 | UJ | 50 | R | 50 | UJ | 50 | UJ | 50 | UJ | 50 | UJ |
| Phenanthrene | - | | | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Phenol | 17000 | 25 | UJ | 25 | UJ | 25 | R | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |
| Pyrene | 360 | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ | 25 | UJ |

R = Reported value is "rejected." The sample results are rejected due to serious deficiencies in meeting QC criteria. The data are unusable. The analyte may or may not be present in the sample.

RML = Removal Management Level (Cancer risk = 1E-04; THQ = 3.0)

THQ = Toxicity Hazard Quotient

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.